

7. ABSTRACT OF THE DISCLOSURE

There is disclosed a flat panel display device capable of reducing charging of phosphors and disposing spacers easily and accurately. The flat panel display device has a rear substrate 1 including an insulating substrate 10 provided with many cold cathode elements 19 for emitting electrons, a display substrate 101 including a light-transmissive substrate 110 disposed to face the rear substrate 1, and phosphors 111 disposed on the light-transmissive substrate for generating light when excited by electron beams from the cold cathode elements 19, and a peripheral frame member 116. A space enclosed by the rear substrate 1, the display substrate 101 and the peripheral frame member 116 is made vacuum tight. Provided on the light-transmissive substrate 110 is a metal sheet 120 perforated with plural fine holes 122 arranged in a matrix configuration and having the phosphors 111 disposed therewithin to form a light-emissive region.

Selected Figure: FIG. 1